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THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A process for the manufacture of flexible thin-walled articles comprising:
injection moulding a body of the article from a plastics material;
5 adapting the body to form a base of the article; and
annealing the plastics material.
2. A process according to claim 1, wherein the annealing step is carried out in situ by
filling the article with a medium having a sufficiently high temperature to facilitate
10 annealing of the article through the transfer of heat from the medium to the article
itself.
3. A process according to claim 1, wherein the annealing step is carried out in situ by
placing the article in a medium having a sufficiently high temperature to facilitate
15 annealing of the article through the transfer of heat from the medium to the article.
4. A process according to claim 2 or 3, wherein the temperature of the annealing
medium is greater than 18°C, more preferably greater than 22°C, even more
preferably greater than 25°C, yet even more preferably greater than 30°C, and most
20 preferably greater than 35°C.
5. A process according to claim 1, wherein the annealing step is carried out during
storage of the final packaged product in a heated or naturally warm storage area, the
temperature in which is constantly at or periodically raised or allowed to rise to
25 22°C or more, more preferably 25°C or more, yet more preferably 27°C or more,
even more preferably 30°C or more and most preferably 35°C or more for sufficient
time to anneal the plastics material.
6. A process according to claim 1, wherein only a selected area of the plastics material
30 is annealed.

PROPRIETARY INFORMATION

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7. A process according to claim 1, wherein the body is adapted by crimping at one end to form the base of the article.
8. A process according to claim 1, wherein the plastics material includes at least one polymer and at least one compatible agent.
9. A process according to claim 8 wherein the at least one polymer and the at least one compatible polymer includes at least one polypropylene polymer.
10. A process according to claim 9, wherein the at least one polymer includes at least one polypropylene and the at least one compatible polymer includes at least one polypropylene compatible polymer.
11. A process according to claim 8, wherein the compatible agent is a compatible polymer having an MFI of greater than 100.
12. A process according to claim 11, wherein the at least one polymer includes at least one polypropylene polymer and the at least one compatible polymer includes at least one polypropylene polymer.
13. A process for the manufacture of flexible thin-walled articles including:
injection moulding a blend of (a) at least one polymer and (b) at least one high melt flow compatible polymer having an MFI of greater than 100.
14. A process according to claim 13, wherein the high melt flow compatible polymer has an MFI of greater than 200.
15. A process according to claim 14, wherein the high melt flow compatible polymer has an MFI of greater than 300.

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16. A process according to claim 13, wherein at least one of (a) and (b) includes a polymer formed using a metallocene or similar catalyst system.
17. A process according to claim 16, wherein both components (a) and (b) include a propylene and/or ethylene polymer or copolymer.
18. A process according to claim 13, wherein component (a) is present in an amount of from about 40 to about 99.9 weight percent of the blend based on the total weight of (a) and (b) and forms the continuous or co-continuous phase of the blend.
19. A process according to claim 13, wherein the (a) and/or (b) polymer includes a polypropylene having varying tacticity within its structure.
20. A process according to claim 13, where both (a) and (b) have an MFI of greater than 100.
21. A process according to claim 13, further including annealing the injection moulded thin-walled article.
22. A process according to claim 13, wherein the blend further includes (c) nanoparticles dispersed therein.
23. A process according to claim 13, wherein the extractables content for the compositions of the invention and mouldings therefrom is preferably less than or equal to 2.0 wt %, more preferably less than or equal to 1.6 wt %, most preferably less than or equal to 1.4 wt % as measured by ASTM D-5227.
24. A process according to claim 13, wherein the at least one polymer has a higher crystallinity than the at least one compatible polymer.
25. A process for the manufacture of flexible thin-walled articles including:

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injection moulding a blend of (a) at least one polymer and (b) at least one compatible polymer, wherein at least one of (a) and (b) includes a polypropylene having varying tacticity within its structure.

- 5 26. A process for the manufacture of flexible thin-walled articles including:

injection moulding a blend of (a) at least one polymer and (b) at least one compatible polymer, wherein the extractables content for the blend and/or the flexible thin-walled article manufactured is less than or equal to 2.0 wt % as measured by ASTM D-5227.